



Mouse Colony Management System

Rat Colony Management System developed for an Animal facility department part of a cellular biological research unit, Bangalore. The institute has many labs for different research areas. Every lab headed by a senior scientist who is a Person In charge (PI). Animal facility offer rooms with different conditions (“environment”) that will enable lab users to keep their cages with the subject (mouse/rat) for the study. The animals injected with different strain by the lab and kept at animal facility rooms for research study.

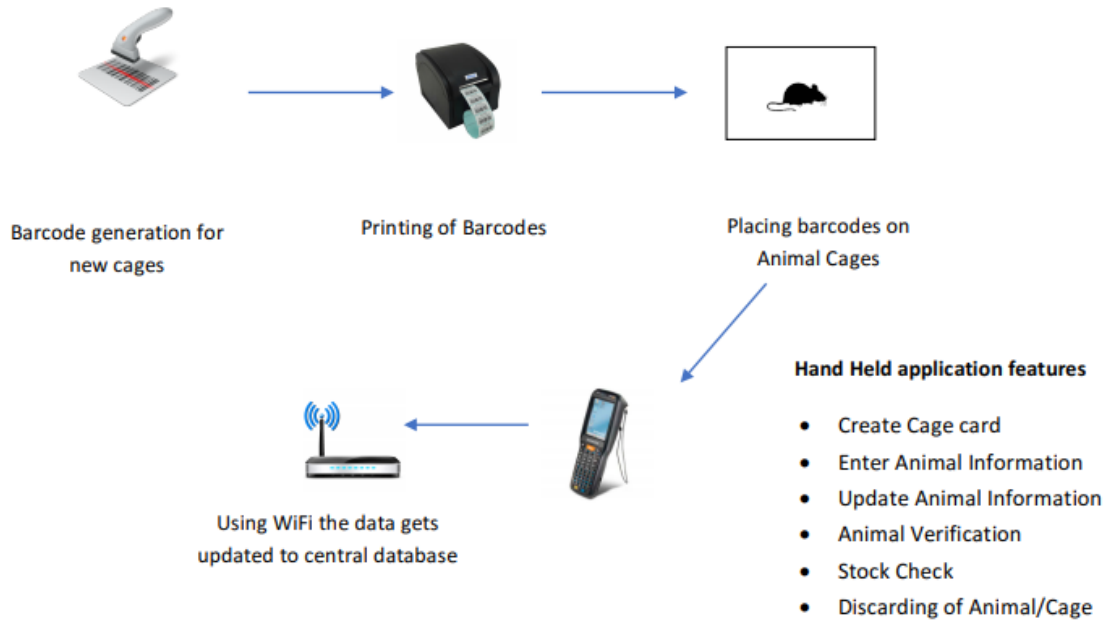
Business Challenge

The customer wanted to address production challenges which impact the production.

- The customer wants to create a web application for managing ther animal colony management.
- HandHeld Application for updating each and every animal status on time
- Automatic Email alerts to relevant stakeholders



Intranet -Web Based application



AdventSys Mouse Colony Management solution offers a suite of applications that can address customer challenges with the animal facility at research labs:

- Barcodes for animal cages
- Mobile application for field level operations
- Animal Colony Management and Transgenic Breeding
- Billing and Invoicing
- Warning / Alert Options
- Cage Inventory
- User communication module

Technologies Used



LANGUAGE

PHP&C#



PLATFORM

Linux & Windows



DATABASE

MySql & PHPMyAdmin



IDE

Visual Studio



INTEGRATIONS

Entity Framework



MOBILITY

Windows CF



THIRD PARTY INTEGRATION

Bar code, Labelling

Client Benefits

- Animal Breeding & Colony Management
- Animal orders,census,Billing
- Animal Tracking & Management
- Animal History including veterinary/medical Record
- Task management
- Based on user category, can send “ALERT MAILS”